

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A panel comprising:
a first fiberboard substrate including wood fiber and a waterproof resin;
~~at least one~~ a first veneer disposed over a first exterior face of the first fiberboard substrate; ~~[[and]]~~
a first waterproof adhesive ~~disposed between~~ coupling the at least one veneer and the fiberboard substrate ~~providing a direct coupling therebetween ;~~
an insulation core substantially adjacent the first fiberboard substrate along a first interior face opposite the first exterior face of the first fiberboard substrate, the insulation core having a first side surface area corresponding to the first exterior face;
a second fiberboard substrate having a second exterior face opposite a second interior face, with the insulation core adjacent the second fiberboard such that the insulation core is disposed between the first fiberboard substrate and the second fiberboard substrate with a second side of the insulation core, opposite the first side, having a second side surface area corresponding with the second interior face, the second fiberboard substrate including wood fiber and a waterproof resin; and
a bracket coupling the first fiberboard substrate and the second fiberboard substrate.
2. (Currently Amended) The panel of claim 1, wherein the first exterior face of the first fiberboard substrate has a profiled surface.
3. (Currently Amended) The panel of claim 2, wherein the ~~at least one~~ first veneer is pliable and assumes a profile corresponding to the profiled surface of the first fiberboard substrate when disposed over the first fiberboard substrate.
4. (Currently Amended) The panel of claim 1, further comprising a second veneer disposed over ~~[[a]]~~ the first interior face ~~second face~~ of the first fiberboard substrate.

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5. (Original) The panel of claim 1, wherein the waterproof resin includes phenol formaldehyde.
6. (Original) The panel of claim 1, wherein the waterproof resin includes methyl diisocyanate.
7. (Original) The panel of claim 1, wherein the waterproof adhesive includes cyanuramide.
8. (Original) The panel of claim 1, wherein the waterproof adhesive includes polyurethane.
9. (Original) The panel of claim 1, wherein the waterproof adhesive includes urethane.
10. (Currently Amended) A door assembly comprising:
a door including ~~at least one~~ a first panel cavity and a second panel cavity;
[[an]] a first insulation core disposed within the at least one first panel cavity;
a second insulation core disposed within the second panel cavity; and
at least one panel disposed within the first ~~at least one~~ panel cavity and coupled to the door, including
a fiberboard substrate including wood fiber and a waterproof resin and having at least one profiled face,
a first veneer coupled directly to the at least one profiled face with a waterproof adhesive, wherein the first veneer has a profile corresponding to the at least one profiled face of the fiberboard substrate, and
a second veneer, wherein the second veneer is ~~directly~~ coupled to another face of the fiberboard substrate with the waterproof adhesive, and the second veneer is substantially adjacent to the insulation core.
11. (Original) The door assembly of claim 10, further comprising a glazing cap coupled to the door and engaged against the at least one panel.

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12. (Original) The door assembly of claim 11, wherein a sealant is disposed between the at least one panel and the glazing cap.
13. (Currently Amended) The door assembly of claim 10, wherein the ~~second veneer is slidably disposed against the insulation core, such that the~~ second veneer, fiberboard substrate and first veneer are moveable relative to the insulation core.
14. (Original) The door assembly of claim 10, further comprising:
a second panel including a second fiberboard substrate including wood fiber and waterproof resin, wherein a third veneer is coupled along at least one surface to a face of the second fiberboard substrate, and a fourth veneer is coupled along at least one surface to another face of the second fiberboard substrate and the fourth veneer is substantially adjacent to the insulation core.
15. (Original) The door assembly of claim 14, further comprising at least one bracket coupled to the at least one panel and to the second panel.
16. (Original) The door assembly of claim 10, further comprising at least one glass pane disposed within the insulation core and the at least one panel.
17. (Original) The door assembly of claim 10, wherein the first veneer is pliable and assumes the profile corresponding to the profiled face of the fiberboard substrate when disposed over the fiberboard substrate.
18. (Currently Amended) A method of making a panel comprising:
compressing a first and second fiberboard substrate, each including wood fiber and a waterproof resin, wherein ~~[[the]]~~ each fiberboard substrate includes at least one face;
applying a waterproof adhesive to at least one surface of a first veneer; ~~[[and]]~~

coupling the at least one surface of the first veneer to the at least one face of the first fiberboard substrate using the waterproof adhesive applied to the first veneer;

aligning an insulation core between the first and second fiberboard substrates such that a first side of the insulation core corresponds with a face of the first fiberboard substrate and a second side of the insulation core opposite the first side corresponds with a face of the second fiberboard substrate; and

retaining the first and second fiberboard substrates and the insulation core together with a bracket.

19. (Original) The method of claim 18, wherein applying the waterproof adhesive to the at least one surface of the first veneer includes applying an adhesive including cyanuramide.

20. (Original) The method of claim 18, wherein applying the waterproof adhesive to the at least one surface of the first veneer includes applying an adhesive including urethane.

21. (Currently Amended) The method of claim 18, further comprising:
applying the waterproof adhesive to at least one surface of a second veneer; and
coupling the at least one surface of the second veneer to another face of the first fiberboard substrate using the waterproof adhesive applied to the second veneer.

22. (Currently Amended) The method of claim 18, further comprising milling the at least one face of the first fiberboard substrate to provide at least one profiled face.

23. (Currently Amended) The method of claim 18, wherein coupling the at least one surface of the first veneer to the at least one face of the first fiberboard substrate includes pressing the first veneer against at least one profiled face of the first fiberboard substrate, wherein the first veneer is pliable and assumes a profile substantially corresponding to the at least one profiled face.

24. (Original) The method of claim 18, wherein compressing a fiberboard substrate includes heating the fiberboard substrate.

25. (Currently Amended) The method of claim 18, wherein coupling the at least one surface of the first veneer to the at least one face of the first fiberboard substrate includes heating the waterproof adhesive.

26. (Currently Amended) A method of making a door assembly comprising:
providing a door, wherein the door includes ~~at least one~~ a plurality of panel cavities
cavity;

disposing ~~[[an]]~~ a plurality of insulation ~~[[core]]~~ cores within ~~the at least one~~ respective
panel cavities cavity;

disposing a first panel within ~~the at least one~~ a first panel cavity, wherein the first panel includes a first fiberboard substrate of wood fiber and a waterproof resin and a first veneer ~~directly coupled~~ adhered to the first fiberboard substrate with a waterproof adhesive, wherein a first face of ~~[[the]]~~ a first insulation core is engaged against the first panel; and

retaining the first panel and the first insulation core within the ~~at least one~~ first panel cavity;

disposing a second panel within a second panel cavity, wherein the second panel includes a second fiberboard substrate of wood fiber and a waterproof resin and a second veneer adhered to the second fiberboard substrate with a waterproof adhesive, wherein a second face of a second insulation core is engaged against the second panel;

sealing the first panel to the door with a sealant;

retaining the second panel and the second insulation core within the second panel cavity;

and

sealing the second panel to the door with the sealant.

27. (Currently Amended) The method of claim 26, wherein retaining the first panel and the first insulation core within the at least one panel cavity includes coupling a glazing cap to the door and engaging the glazing cap against the veneer of the first panel.

28. (Currently Amended) The method of claim 27, wherein retaining the first panel and the first insulation core within the at least one panel cavity includes interposing ~~[[a]]~~ the sealant between the glazing cap and the veneer of the first panel.

29. (Currently Amended) The method of claim 26, wherein retaining the first panel and the first insulation core within the ~~at least one~~ first panel cavity includes coupling a glazing bead to the door and engaging the glazing bead against the veneer of the first panel.

30. (Currently Amended) The method of claim 26, further comprising disposing a ~~second~~ third panel within the ~~at least one~~ first panel cavity, wherein the ~~second-third~~ panel includes a fiberboard substrate of wood fiber and the waterproof resin and a veneer directly coupled to the fiberboard substrate with the waterproof adhesive.

31. (Currently Amended) The method of claim 30, further comprising disposing at least one glass pane within at least one glass cavity in the first panel, the insulation core and the ~~second~~ third panel.

32. (Currently Amended) The method of claim 31, further comprising coupling a bracket to the first panel and the ~~second-third~~ panel along surfaces defining the glass cavities of the first panel and the ~~second-third~~ panel.